

OVERVIEW OF COMMUNICABLE DISEASE SURVEILLANCE SYSTEM IN BULGARIA

***VIRAL HEPATITIS PREVENTION BOARD MEETING
SOFIA, BULGARIA
24-25 MARCH 2011***



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BULGARIA - BACKGROUND INFORMATION

(as of 31.12.2009)

Total population	7 563 710	Urban areas population	71.4%
Live births	81 572	<u>Structure of the population by age:</u>	
Birth rate	10.7 per 1 000	0-17 years of age	16.7%
Mortality rate	14.2 per 1000	18-64 years of age	65.8%
Infant mortality	9.0 per 1000	over 65 years	17.5%
Natural growth	-3.5 per 1000	<u>Life expectancy at birth:</u>	
		total population	73.43 years
		female	77.43 years
		male	69.90 years

LEGAL FRAMEWORK OF CD SURVEILLANCE AND CONTROL IN BULGARIA

- Law on health, effective from 1 January 2005 – Section five: CD Control, Articles 57, 58, 59, 60, 61, 62, 63
- Regulation No 21 of the MoH from 18 July 2005 on the procedure for registration, notification and reporting of communicable diseases (State Gazette, No 62 of 29 July 2005), adopting the list of CD, case definitions and case classification (suspected, probable and confirmed case) for reporting CD
- Methodological Guideline No 9 of the MoH (September 25, 2000) for Surveillance and Control of Influenza
- Regulation of the MoH No 15 on Immunizations in Republic of Bulgaria (12 May 2005) and Guidelines for Surveillance of AEFI (7 April 2006)
- Regulation of the MoH No 2 on prevention and control of nosocomial infections (10 January, 2005)
- Regulation of the MoH on the conditions and procedures for carrying out border health control of the Republic of Bulgaria 274/ 9.10.2006 Published in the State Gazette N: 85 on 20.10.2006

LIST OF COMMUNICABLE DISEASES FOR COMPULSORY REPORTING (1)

1. Amoebiasis
2. Anthrax
3. Ascariasis
4. Bacterial Meningitis and Meningoencephalitis
 - 4.1. *specified*:
 - 4.1.1. Pneumococcal
 - 4.1.2. Streptococcal
 - 4.1.3. H. influenzae type B
 - 4.1.4. other bacteria
 - 4.2. *unspecified*
5. Botulism
6. Brucellosis
7. Campylobacter infection
8. Chlamydia trachomatis, genital infection
9. Cholera
10. Cryptosporidiosis
11. Diphtheria
12. Echinococcosis
13. Escherichiosis (Coli-enteritis)
 - 13.1. VTEC infection
14. Gastroenteritis, enterocolitis
15. Giardiasis
16. Gonorrhoea
17. Haemophilus influenzae type B, invasive infection
- 18. Hepatitis, viral:**
 - 18.1. Acute viral hepatitis type A, B, C, D, unspecified**
 - 18.2. Chronic viral hepatitis type B, C, D**
19. Hymenolepiasis
20. HIV / AIDS
21. Influenza and ARD
22. Legionellosis
23. Leishmaniasis
24. Leptospirosis
25. Listeriosis
26. Lyme Disease
27. Malaria
28. Measles
29. Mediterranean Spotted Fever

LIST OF COMMUNICABLE DISEASES FOR COMPULSORY REPORTING (2)

30. Meningococcal infection (meningococcal meningitis and sepsis)
31. Mumps
32. Pertussis
33. Plague
34. Poliomyelitis
 - 34.1. Acute Flaccid Paralysis
35. Psittacosis (Ornithosis)
36. Q–Fever
37. Rabies
38. Rubella
 - 38.1. Congenital Rubella
39. Salmonellosis
40. Scarlet Fever
41. Severe Acute Respiratory Syndrome (SARS)
42. Shigellosis
43. Smallpox
44. Streptococcus pneumoniae, invasive infection
45. Syphilis
46. Taeniarhynchiosis
47. Tetanus
48. Toxoplasmosis
49. Trichinellosis
50. Trichocephalosis
51. Tuberculosis
52. Tularemia
53. Typhoid / Paratyphoid Fever
54. Typhus exanthematicus (Epidemic louseborne typhus fever)
55. Variant Creutzfeldt-Jakob's disease
56. Varicella
57. Viral Haemorrhagic fevers:
 - 57.1. Ebola/Marburg fever
 - 57.2. Lassa fever
 - 57.3. Crimean-Congo Hemorrhagic Fever
 - 57.4. Hemorrhagic Fever with Renal Syndrome
58. Viral Meningitis and Meningoencephalitis
59. Yellow Fever
60. Yersiniosis

Regulation No 21 of 18 July 2005 on the procedure for registration, notification and reporting of CD
(State Gazette, № 62,29.07.2005)

CASE DEFINITIONS AND CASE CLASSIFICATION OF COMMUNICABLE DISEASES

Possible case is a case with a supportive clinical picture, which is neither confirmed, nor probable.

Probable case is a case with a compatible clinical picture or an epidemically linked case.

Confirmed case is a case confirmed by a laboratory examination.

REGULATION № 21 of 18 July 2005 on the procedure for registration, notification and reporting of communicable diseases promulgated in State Gazette, № 62 of 29.07.2005

COMMISSION DECISION of 19 March 2002 laying down case definitions for reporting communicable diseases to the Community network under Decision No 2119/98/EC of the European Parliament and of the Council (notified under document number C(2002) 1043) 2002/253/EC)

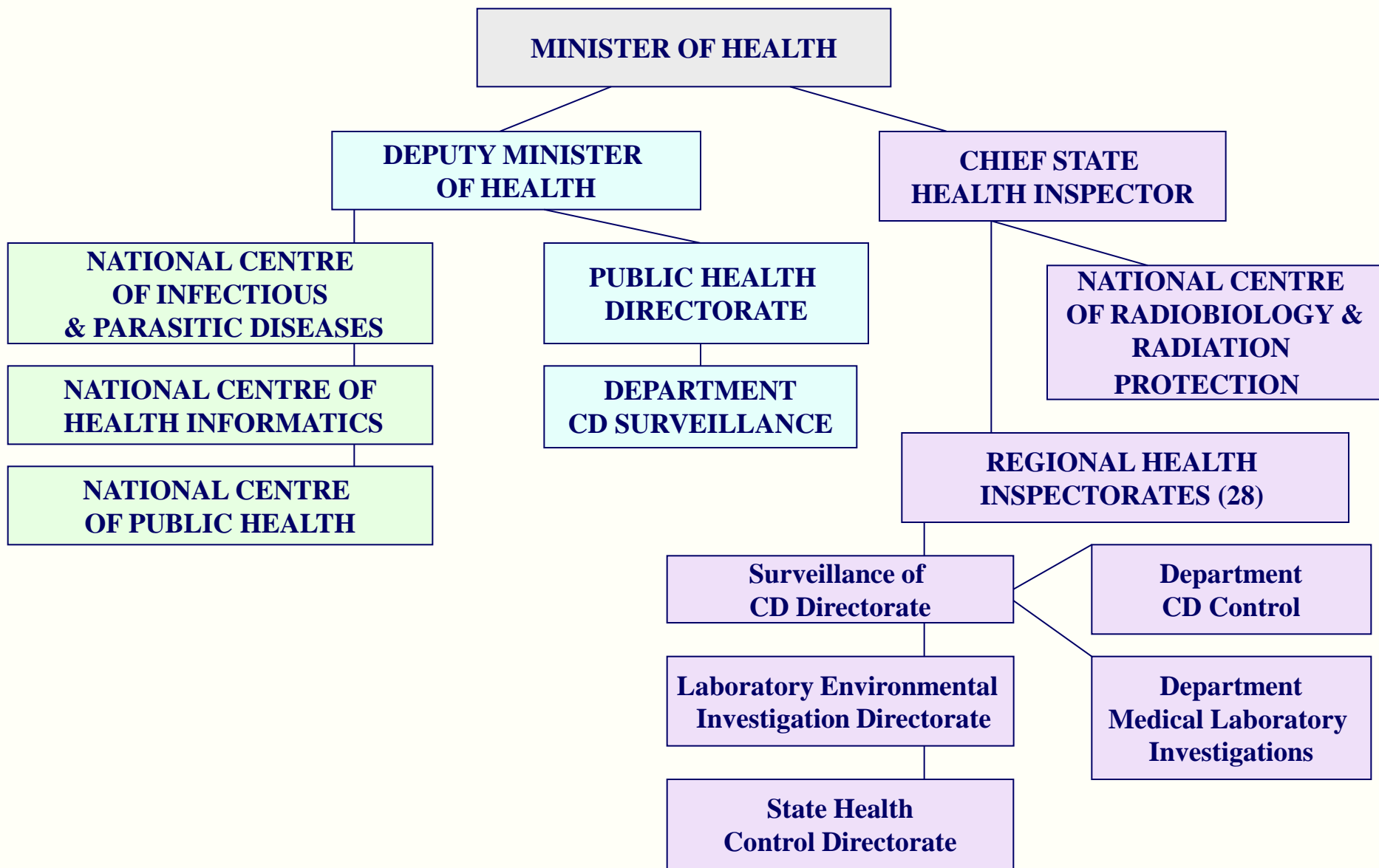
REPORTING FORMS USED FOR CD SURVEILLANCE

- **Rapid notification form**
- **Case investigation form**
- **Communicable disease reporting form (for reporting the aggregated number of CD from regional to the national level)**

Specific **guidelines** for investigation and management of case/contact of CD

INSTITUTIONAL FRAMEWORK OF CD SURVEILLANCE AND CONTROL IN BULGARIA

INSTITUTIONAL FRAMEWORK OF CD SURVEILLANCE AND CONTROL IN BULGARIA



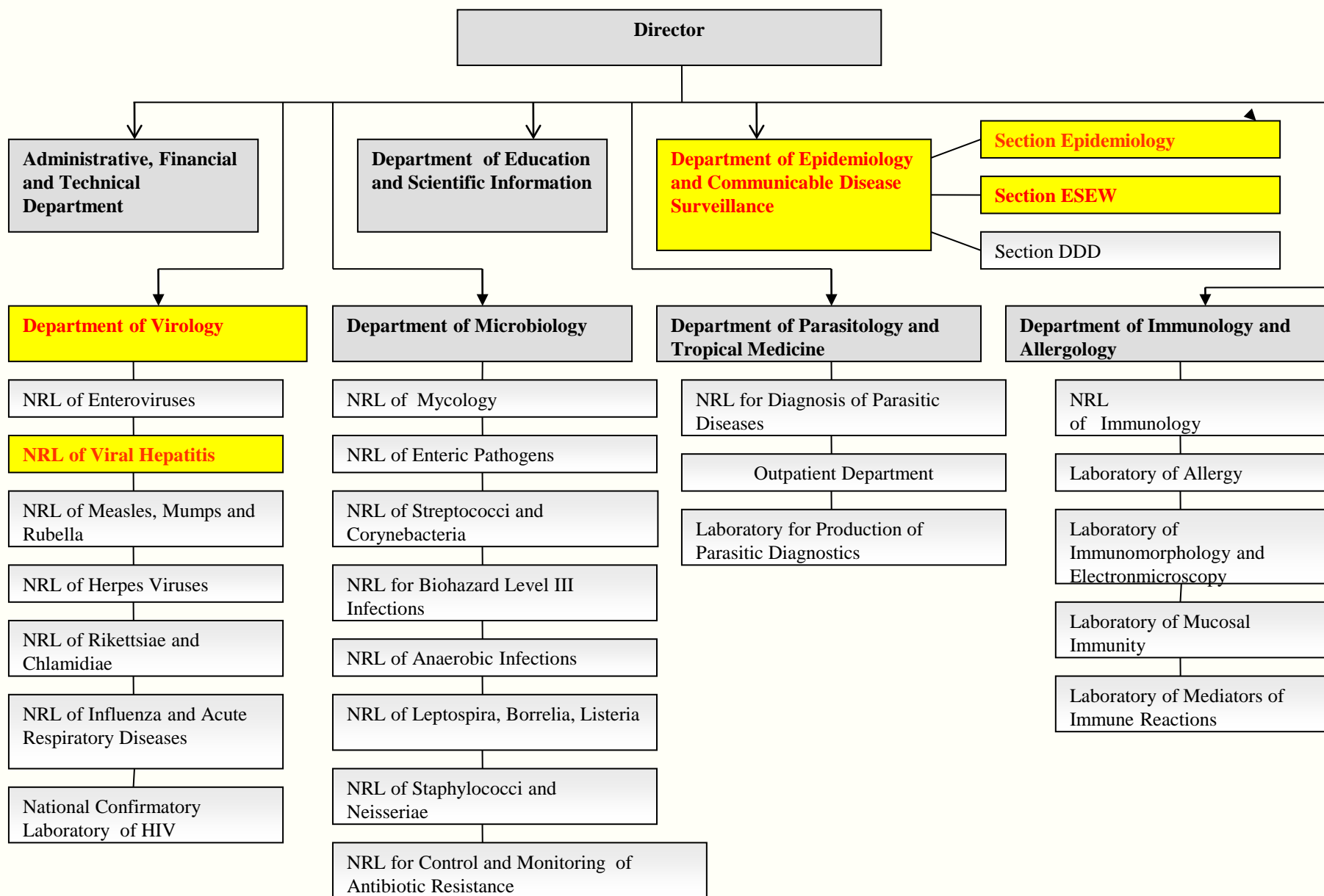
**NATIONAL CENTER OF INFECTIOUS AND PARASITIC DISEASES
SOFIA, BULGARIA**



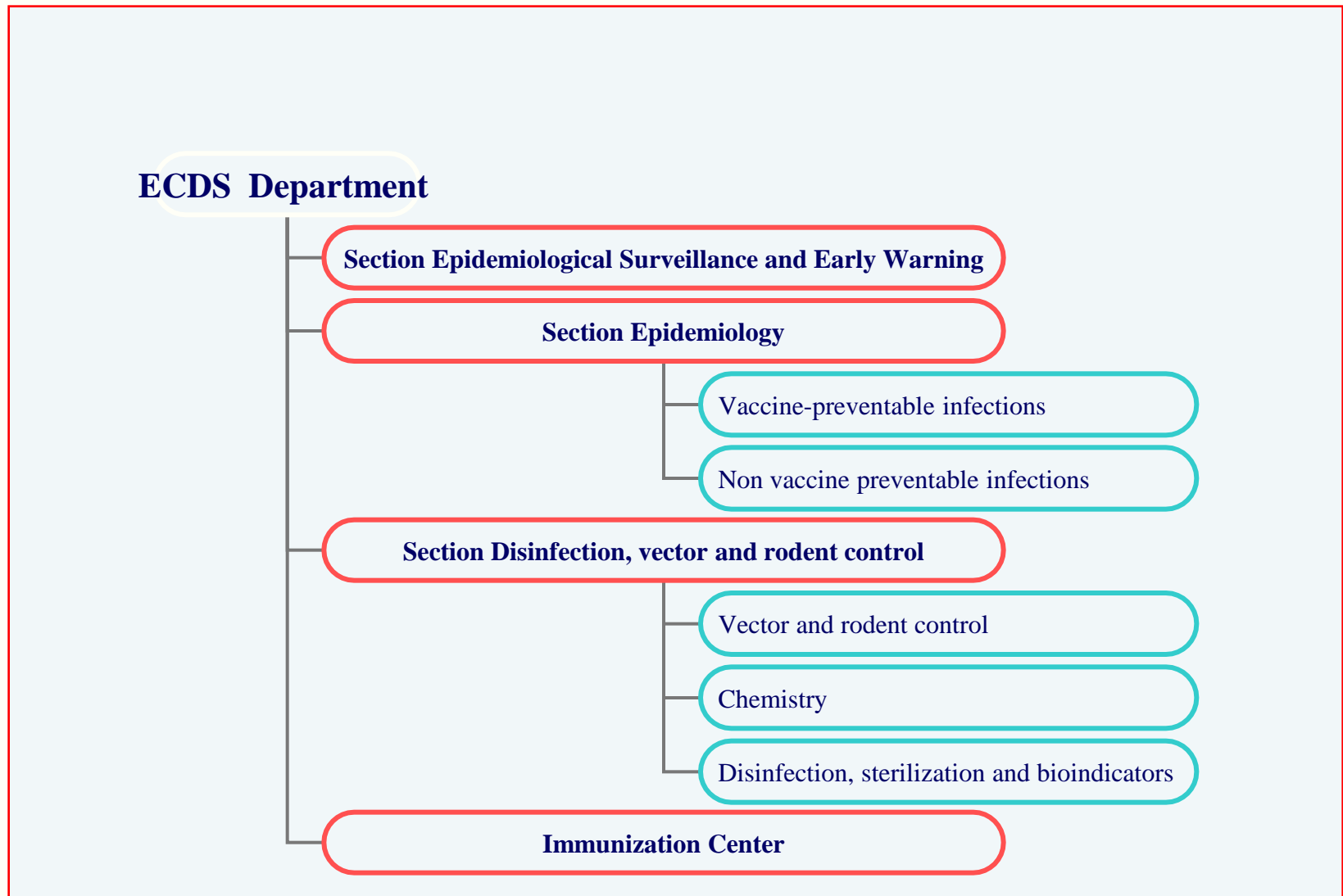
ESTABLISHED 1881

NATIONAL CENTRE OF INFECTIOUS AND PARASITIC DISEASES, BULGARIA

ORGANIZATIONAL CHART OF THE NATIONAL CENTER OF INFECTIOUS AND PARASITIC DISEASES (NCIPD)



DEPARTMENT EPIDEMIOLOGY AND COMMUNICABLE DISEASE SURVEILLANCE AT NCIPD



FLOW OF INFORMATION FOR CD SURVEILLANCE IN BULGARIA

FIRST (PERIPHERAL) LEVEL - NOTIFIERS

GPS, LABS, PRIVATE PHYSICIANS, OUTPATIENT
SPECIALIZED HEALTH CARE FACILITIES, HEALTH
CENTERS, HOSPITALS (INCL. LABS)

- **Responsibilities** *To identify cases, complete and send reporting form*
- **Timing** *Within 24 hours*
- **Means of communication** *Mail, phone, e-mail, fax*
- **Reporting form** *Rapid notification form*
- **Institute receiving reports** *RHI*

SECOND (INTERMEDIATE) LEVEL REGIONAL HEALTH INSPECTORATE (RHI)

Responsibilities	<i>To collect reports, send aggregated data for all reported CD cases to the NCHI Epidemiological investigation of cases/contacts and outbreaks Feedback to the 1-st level</i>
Timing	<i>Daily, Monthly, Annually</i>
Means of communication	<i>Fax, mail, e-mail, web portals Meetings, Press conferences</i>
Reporting form	<i>Case investigation form CD Reporting form, Other Tabular forms</i>
Institute receiving reports	<i>NCHI, MoH (reports for outbreaks), NCIPD 1-st level structures, local media</i>

THIRD (CENTRAL) LEVEL

MoH, NCIPD, NCHI

NCHI

Responsibilities	<i>Computerized data processing</i>
Timing	<i>Daily, Weekly, Monthly, Annually</i>
Means of communication	<i>Mail; e-mail</i>
Reporting form	<i>Tabular</i>
Institute receiving reports	<i>MoH, NCIPD, RHI</i>

THIRD (CENTRAL) LEVEL

NCIPD → MoH

Responsibilities

Data analysis and interpretation

Exchange of surveillance data

Investigation of large-scale outbreaks and epidemics

Feedback

Timing

Weekly, Annually

Means of communication

Annual CD Report presented on the National epidemiology meeting

<http://www.ncipd.org/>; <http://grippe.ncipd.org/>

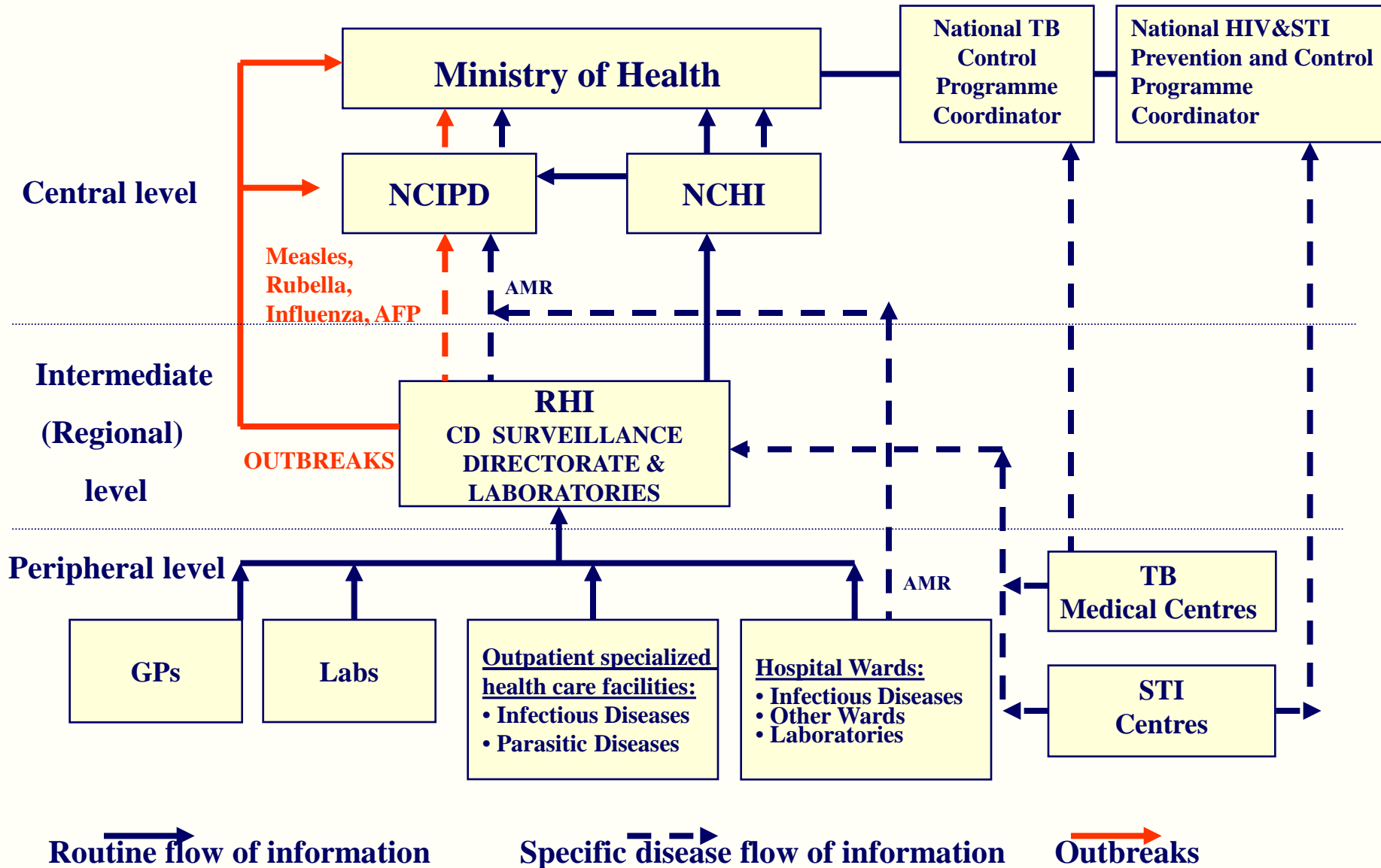
<http://www.mh.government.bg/>

NCIPD Bulletin, Press Conferences, Press Release (MoH)

Institute receiving reports

RHI, Media: TV, Radio, Newspapers

FLOW OF INFORMATION FOR CD SURVEILLANCE IN BULGARIA



В името на науката за доброто на



Министерство на здравеопазването
**Национален център
по заразни и паразитни болести**
София, България

Основан 1881

English



НЦЗПБ

Търсене

- ▾ За НЦЗПБ
- ▾ Актуално
- ▾ Структура
- ▾ Дейности
- ▾ Печатни издания
- ▾ Курсове за СДО
- ▾ Връзки
- ▾ Стратегия за

Епидемиологичен бюлетин

Седмица: 52 1 2 3 4 5 6 7 8 9 10 11

Оперативен анализ на седмичната информация за разпространението на заразните болести в България

11 седмица (2011-03-14 - 2011-03-20)

Антракс

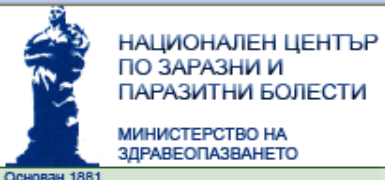
БММЕ други

БММЕ пневмококов

През 11 седмица на 2011 г. е регистриран 1 случай в област Пловдив. Отклонението от предходната седмица е (1).

По категории съобщенията са потвърдени. От началото на годината в страната са съобщени 8 случая. За същия период през изминалата година са регистрирани 6 случая. Отклонението от предходната година е (2).

- ДИРЕКТОР**
- ЗАМ. ДИРЕКТОРИ**
- Административно - стопански и финансов
 - Учебна, научно - организационна и ОМД
 - Вирусология
 - Епидемиология и надзор на заразните болести
 - Имунология и алергология



НАЦИОНАЛЕН ЦЕНТЪР ПО ЗАРАЗНИ И ПАРАЗИТНИ БОЛЕСТИ
МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО
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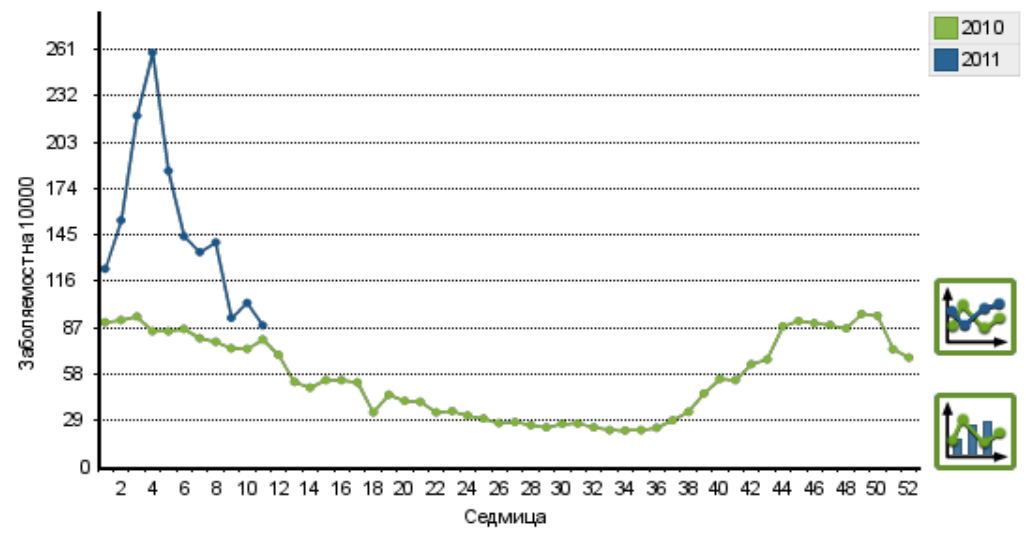
Информационна система за събиране и анализиране на данни за заболяемостта от грип и ОРЗ в България




Заболеемост

[Начало](#) | [Попълнени формуляри](#) | [Таблични справки](#) | [Графики](#) | [Изход](#)

Заболеемост от грип и ОРЗ в България




Системата е разработена в рамките на проект на Американската агенция за международно развитие "Подобряване на реагирането при поява на птичи грип в България" чрез Световна Здравна Организация. Регионален офис за Европа и Министерство на здравеопазването



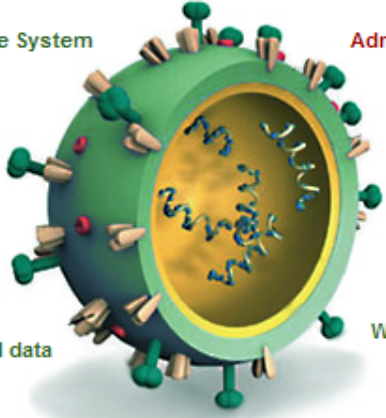
NATIONAL CENTER OF INFECTIOUS AND PARASITIC DISEASES
MINISTRY OF HEALTH
Founded 1881

Influenza and Acute Respiratory Infections Information System



Incidence

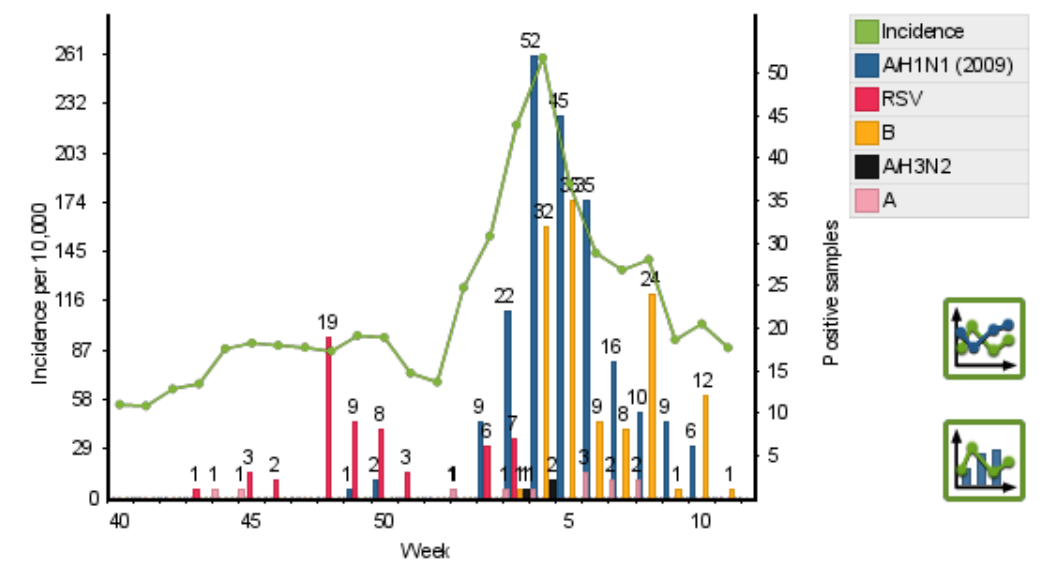
Home | Filled-in forms | Tabulated reports | Graphs | Logout



About the System Administration
Contact us News release
Virological data Weekly reports

National center of infectious and parasitic diseases

Integrated epidemiology and virology data



The System is developed within a project of the United States Agency for International Development, "Strengthening the response to avian influenza in Bulgaria", with support from the Regional Office for Europe of the World Health Organization and The Ministry of Health of Bulgaria